Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0497
CALIBRATION DATE: 13-Feb-14

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.25988406e+000
h =  4.59849176e-001
i = -2.98276718e-004
j =  3.35068575e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.73115958e-006
b =  4.58801831e-001
c = -4.25604741e+000
d = -8.13563968e-005
m =  4.7
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	3.04560	0.00000	0.00000
-1.0000	34.7613	2.80056	8.37781	2.80056	0.00001
1.0000	34.7617	2.97174	8.59664	2.97174	-0.00000
15.0000	34.7613	4.26558	10.09648	4.26557	-0.00001
18.5000	34.7604	4.61175	10.46078	4.61175	-0.00001
29.0001	34.7583	5.69390	11.52408	5.69393	0.00003
32.5000	34.7522	6.06608	11.86720	6.06606	-0.00002

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \varepsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients